Work Order II Wednesday, October 2											Page 1
Item ID: D412 Revision ID:	2-711-101		Accept					Setup	Start		
	cement Bubble Window	( 1831B) (#B) : 00	1						Stop		
Start Date: 10/27 Required Date: 11/11 Reference:	7/2010 Start Qty: 1. /2010 Req'd Qty: 1.		1	Cust Item I Customer:	D:						
Approvals: Proc	cess Plan:	Date: 10-10-	25 Tooling: -	Da	ate:	_	]	Run	Start		
QC:		Date:	<b>SPC (Y/N):</b>	Da	ate:				Stop		
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr					•					<del></del>
D412-711-101	A										
			0.00				Da	(2)	BG	- 10-	11-07(
DC Document Control		o copy bluefiles and create label PP D412-711-101 Change 002		1/02		•	'0	·			•
110	HAND FINISHIN	G THERMOFORMING	0.00				1			•	<del>\</del>
HandThermo Hand Finishing Thermoform	Mem Set u	o o Machine as per folio FTA 07	0.00 7 and D711W program								विष्ट
120   <b>                                     </b>	HAND FINISHIN	G THERMOFORMING	0.00				4			,ee	
(	Mem		0.00								# 1
Hand Finishing Thermoform	ming Cut E	lanks to 36" by 39"									40128

W/O:	•		WO	RK ORDER CHANGE	S				* * * *		
DATE	STEP	PRO	OCEDURE CHAN		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
			Tomor don the same								
Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	No <b>DQ</b>	<b>A</b> :	_ Date: _			
	Res	olution:	Disposition	):	QA: N/C Cl	osed:		Date:			
NCR:		,	WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section	n B	Verific	ation	Approval	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Chief Eng	QC Inspector		
	*						<del></del>				
, .											
	•										

Work (	Ord	er I	D	633	4
Wednesda	y, Oci	ober .	<i>27</i> ,	2010	<i>3</i> :

Item ID:	D412-711-10	01
Revision ID:		
Item Name:	Replacement l	Bubble Window
Start Date:	10/27/2010	Start Qty: 1.00
Required Date	: 11/11/2010	Req'd Qty: 1.00
Reference:		
Approvals:	Process Pla	ın:
	QC:	
Sequence ID/ Work Center I	D	Operation Description
130 Thermoform		THERMOFORMING
Thermoforming Ma	achine	Memo Thermo: 077
140		QC2- Inspect parts of
QC		Memo
Quality Control		1) Ch

150

QC

Quality Control





Setup Start

Stop



m ID:

Cust Item 1
<b>Customer:</b>

Process Plan:	Date:	Tooling:	Date:	Run	Start	
QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							

THERMOFORMING MACHINE

0.00

form as per Dwg. D412-711-101 using DT 9640 and Folio FTA Dwg. Rev. Folio Rev.

off machine FAI/FAIB

1) Check Surface finish for undesired marks, voids, dimples etc. □2) Check Quality Control

QC8- Inspect parts - second check

depth of bubble to ensure conformity to drawing tolerances.

0.00

0.00

0.00

Memo

0.00

Duit Ac	oopaoc	Lu							•
W/O:		and the second s	WO	RK ORDER CHANGI	EŜ				7 6 7
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				·					
Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	No <b>DQ</b>	A:	Date: _	
Resolution:		solution:	Disposition	l:	_ QA: N/C C	losed:		Date: _	<del></del>
NCR:		,	WORK ORDE	R NON-CONFORMA	NCE (NCI	₹)			
DATE	OTED	Description of NC	Corrective Action		on B	Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	n Sign & Secti			Chief Eng	QC Inspector
•								,	
1									

Work Orde												Page 3
	10/27/2010	Start Qty: 1.00 Req'd Qty: 1.00		 10	Cust Item				Setup	Star Stop		
Reference: Approvals:		n:	Date:	Tooling: SPC (Y/N):	D	ate:			Run	Star Stop		8/18/18/18/18/18/18/18/18/18/18/18/18/18
Sequence ID/ Work Center II 160 HandThermo Hand Finishing The		Operation Description  HAND FINISHING THE  Memo 1) Trim off oblemishes	ERMOFORMING excess flange material	Set Up/ Run Hours 0.00  0.00  2) Buff out any light scra 3) Etch part number and b		Tool#	Plan Code	Accep Qty	t Re Qt	ject y	Reject Number	Insp. Stamp  IO 10/28
QC Quality Control		QC2- Inspect parts off m  Memo  1) Visually	achine FAI/FAIB inspect for clarity, and	0.00  0.00  proper formation.					<del></del>			10/11/01

QC5- Inspect part completeness to step on W/O

Memo

Quality Control

1) VIsually inspect for clarity, and proper formation.

W/O:			WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CHAP	IGE	Ву	Date	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
<u></u>												
			,									
Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	Date: _						
		esolution:										
NCR:			WORK ORDE	R NON-CONFORM	IANCE (NCR	1)						
DATE	STEP	Description of NC			ection B	Verificat		Approvai				
	0,2,	Section A	Initial Action Descri Chief Eng Chief Eng		Sign & Date	Section	C Chief Eng	QC Inspector				
au.												
					e I							
				•								
					1							

#### Work Order ID 63341

Wednesday, October 27, 2010 3:59:57 PM



Page 4

Item ID:

D412-711-101

Accept

Setup Start



**Revision ID:** 

Item Name:

Replacement Bubble Window

**Start Date:** 

10/27/2010

Start Qty: 1.00

**Required Date:** 11/11/2010 Req'd Qty: 1.00



**Cust Item ID: Customer:** 

Reference:

Approvals:

Process Plan:

Date:

Tooling:

SPC (Y/N):

Set Up/

Run Hours

Date:

Date:

Run

Start

Stop

Stop



QC: \_\_\_\_\_ Date:

Sequence ID/ Work Center ID

185

Quality Control

Operation **Description** 

QC4- 100% Inspect kits for completeness

Memo

50/4/02

Tool ID

Tool # Plan

Accept Qty Code

Reject Qty

Reject Number Stamp

Insp.

Identify as per dwg & Stock Location:

0.00

Packaging Packaging

190

Memo

0.00

200

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

W/O:			WORK ORDER CHANGES								
DATE	STEP	PR	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
Part No	<u> </u>	PAR #:	Fault Cate	iorv:	NCR: Yes	No DO	Δ-	Date:			
		esolution:									
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCI	₹)					
DATE	STEP	Description of NC	Initial	Corrective Action Sec Action Description	etion B	0 1	cation	Approval	Approval		
		Section A	Chief Eng	Chief Eng	Date	Section C		Chief Eng	QC Inspector		
					•						

### Picklist Print

Wednesday, October 27, 2010 4:00:00 PM

Work Order ID: 63341

Parent Item: D412-711-101

arent item. Bill i

Parent Item Name: Replacement Bubble Window

JLM

**Start Date:** 10/27/2010

**Required Date:** 11/11/2010

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:A New Issue 06-02-01

Manufacture in-house 10/06/28 DL

IPP Rev. B.

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MACRLICS.236		Purchased	No				sf	73.0000	16	16		· · · · · · · · · · · · · · · · · · ·	-
		1											

Plexiglass G .236"

<u>Location</u>	Loc Oty	Loc Code	
therm	73		
113571	17		
115096	16		
115590	40		

B 10/10/28

	- CP L C C									•	
W/O:			WO	RK ORDER CHA	NGES					1 6 4	
DATE	STEP	PRO	PROCEDURE CHANGE					Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
	8										
		·									
Part No	:	PAR #:	Fault Categ	jory:	NCF	R: Yes 1	lo <b>DQ</b>	<b>A</b> :	Date:		
		solution:	Disposition	Disposition: QA: N/C Closed:					Date:		
NCR:			WORK ORDE	R NON-CONFO	RMANCE	(NCR)			· · · · · · · · · · · · · · · · · · ·		
DATE	STEP	Description of NC Section A	Corrective Action Initial Action Descr				Verification Section C		Approval Chief Eng	Approval QC Inspector	
			Chief Eng	Chief Eng		Date					
						- V1-0					

DART AEROSPACE LTD	Work Order:	63341
		75 11 42 5
Description: Dussie Wiscom	Part Number:	D412-711-101.
Inspection Dwg: Duiz->11-10) Rev:		Page 1 of 1

# FIRST ARTICLE INSPECTION CHECKLIST

#### THERMOFORMING SECTION

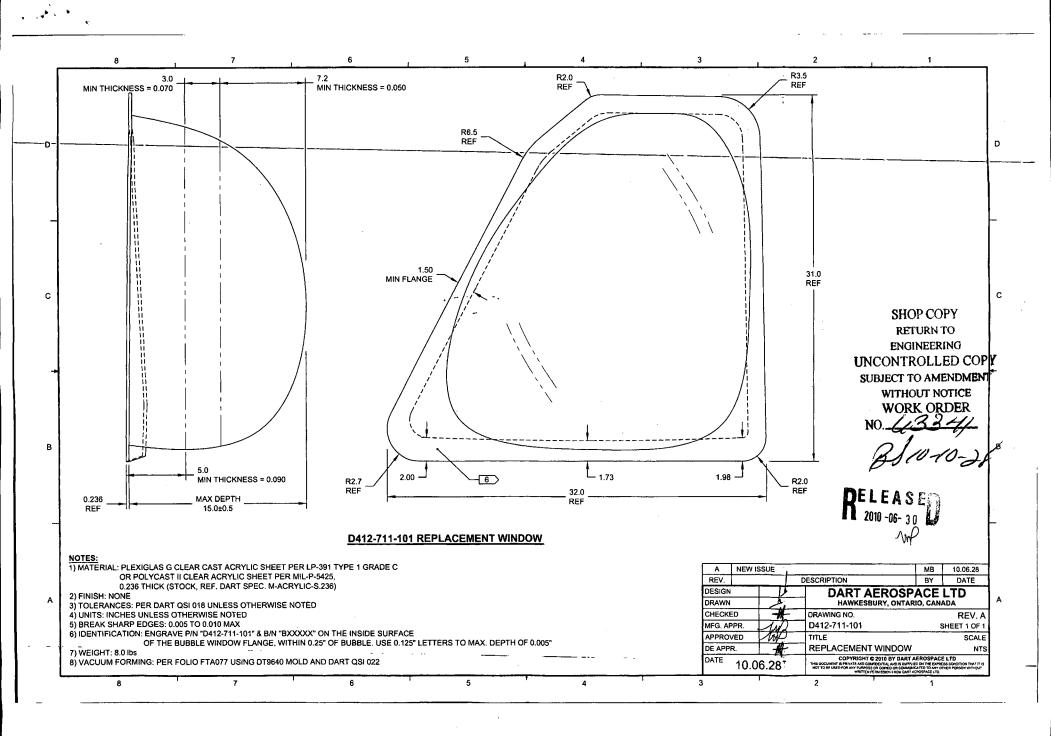
Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than"	•			
Shape Definition				
Texture Retention	-			
Material imperfections such as bumps, cracks, voids, scratching				
				<u></u>
Measured by:	]		Date:	10/10/01

#### TRIMMING SECTION

	Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
	32.0	REC	32.125	V			
	31.0	REE	3)	V			
	1.50	H.S	1.6	V			
L	1.73	Min	1.825				
છે.	4,070	Mis	, 084				
s' L	.D90	H.D	, 093				
	.050	Mis.	070				
	15	TODO O.S	15.06	<b>-</b>			

Date: Measured by: Audited by: Date: Preliminary Approval: Date:

Revised by **Approved** Rev Date Change B 10.04.14 Added preliminary approval



W/O:		WORK ORDER CHANGES										
DATE STEP		PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
				<i>*</i> •								
				•								
Part No	):	PAR #:	Fault Cate	gory:	 NCR: Ye	s No De	QA:	Date:				
Resolution:												
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NO	R)						
DATE	STEP	Description of NC	****	ection B Verific			ication Approval	Approval				
DATE		Section A	Initial Chief Eng	Action Description Chief Eng	Sigi Da	า&   <sub>Se</sub>	ction C	Chief Eng	QC Inspector			
									ļ			
	}					,						